

10/018452  
531 Rec'd PCT 30 OCT 2001

## SEQUENCE LISTING

SEQ ID NO:1

Nucleic acid encoding CS37 VH (31G9)

10	20	30	40	50
CAGGTGCAGCTGGTGCAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTC				
60	70	80	90	100
CCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAGCTATGGCA				
110	120	130	140	150
TGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGTT				
160	170	180	190	200
ATATCATATGATGGAAGTATTAAATACTATGCAGACTCCGTGAAGGGCCG				
210	220	230	240	250
ATTACCATCTCCAGAGACAATTCCAAGAACACGCTGTATCTGCAAATGA				
260	270	280	290	300
ACAGCCTGAGAGCTGAGGACACGGCTGTGTATTACTGTGCGCGAACTGGT				
310	320	330	340	350
GAATATAGTGGCTACGATACGAGTGGTGTGGAGCTCTGGGGGCAAGGGAC				
360				
CACGGTCACCGTCTCCTCA				

SEQ ID NO:2

## Amino acid sequence of CS37 VH (31G9)

Q V Q L V Q S G G G V V Q P G R S L R L S C  
A A S G F T F S S Y G M H W V R Q A P G K G  
L E W V A V I S Y D G S I K Y Y A D S V K G  
R F T I S R D N S K N T L Y L Q M N S L R A  
E D T A V Y Y C A R T G E Y S G Y D T S G V  
E L W G Q G T T V T V S S

SEQ ID NO:3

## Nucleic acid encoding SL15 VH

10 20 30 40 50  
GAGGTCCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTC

60 70 80 90 100  
CCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAGCTATGGCA

110 120 130 140 150  
TGCACTGGGTCCGCCAGGCTCCAGGCAAGGAGCTGGAGTGGGTGGCAGTT

160 170 180 190 200  
ATATCATATGATGGAAGTATTAAATACTATGCAGACTCCGTGAAGGGCCG

210 220 230 240 250  
ATTCACCATCTCCAGAGACAATTCCAAGAACACGCTGTATCTGCAAATGA

260 270 280 290 300  
ACAGCCTGAGAGCTGAGGACACGGCTGTGTATTACTGTGCGCGAACTGGT

310 320 330 340 350

GAATATAGTGGCTACGATACGGACCCCCAGTACTCCTGGGGGCAAGGGAC

360

CACGGTCACCGTCTCCTCA

SEQ ID NO:4

Amino acid sequence of SL15 VH

E	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	L	R	L	S	C
A	A	S	G	F	T	F	S	S	Y	G	M	H	W	V	R	Q	A	P	G	K	E
L	E	W	V	A	V	I	S	Y	D	G	S	I	K	Y	Y	A	D	S	V	K	G
R	F	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	L	R	A
E	D	T	A	V	Y	Y	C	A	R	T	G	E	Y	S	G	Y	D	T	D	P	Q
Y	S	W	G	Q	G	T	T	V	T	V	S	S									

SEQ ID NO:5

Nucleic acid encoding SL15A VL (CS37)

10	20	30	40	50
GAAATTGTGCTGACTCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGA				
60	70	80	90	100
CAGAGTCACCATCACTTGCCGGGCAAGTCAGGGCATTGGAGATGATTTGG				
110	120	130	140	150
GCTGGTATCAGCAGAAGCCAGGGAAAGCCCCTATCCTCCTGATCTATGGT				
160	170	180	190	200
ACATCCACTTTACAAAGTGGGGTCCCGTCAAGGTTTCAGCGGCAGTGGATC				

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210 220 230 240 250  
TGGCACAGATTTCACTCTCACCATCAACAGCCTGCAGCCTGAAGATTTTG  
260 270 280 290 300  
CAACTTATTACTGTCTACAAGATTCCAATTACCCGCTCACTTTCGGCGGA  
310 320  
GGGACACGACTGGAGATTAAA

SEQ ID NO:6

Amino acid sequence of SL15A VL (CS37)

E I V L T Q S P S S L S A S V G D R V T I T  
C R A S Q G I G D D L G W Y Q Q K P G K A P  
I L L I Y G T S T L Q S G V P S R F S G S G  
S G T D F T L T I N S L Q P E D F A T Y Y C  
L Q D S N Y P L T F G G G T R L E I K

SEQ ID NO:7

Nucleic acid encoding SL15S VL

10 20 30 40 50  
GAAATTGTGCTGACTCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGA  
60 70 80 90 100  
CAGAGTCACCATCACTTGCCGGTCAAGTCAGGGCATTGGAGATGATTTGG  
110 120 130 140 150  
GCTGGTATCAGCAGAAGCCAGGGAAAGCCCCTATCCTCCTGATCTATGGT

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160 170 180 190 200  
ACATCCACTTTACAAAGTGGGGTCCCGTCAAGGTTTCAGCGGCAGTGGATC

210 220 230 240 250  
TGGCACAGATTTCACTCTCACCATCAACAGCCTGCAGCCTGAAGATTTTG

260 270 280 290 300  
CAACTTATTACTGTCTACAAGATTCCAATTACCCGCTCACTTTCGGCGGA

310 320  
GGGACACGACTGGAGATTAAA

SEQ ID NO:8

Amino acid sequence of SL15S VL

E I V L T Q S P S S L S A S V G D R V T I T  
C R S S Q G I G D D L G W Y Q Q K P G K A P  
I L L I Y G T S T L Q S G V P S R F S G S G  
S G T D F T L T I N S L Q P E D F A T Y Y C  
L Q D S N Y P L T F G G G T R L E I K

SEQ ID NO:9

Nucleic acid sequence encoding JT182 VH

10 20 30 40 50  
CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTC

60 70 80 90 100  
CCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAGCTATGGCA

110 120 130 140 150  
TGCACTGGGTCCGCCAGGCTCCAGGCAAGGAGCTGGAGTGGGTGGCAGTT

160 170 180 190 200  
ATATCATATGATGGAAGTATTAAATACTATGCAGACTCCGTGAAGGGCCG

210 220 230 240 250  
ATTCACCATCTCCAGAGACAATTCCAAGAACACGCTGTATCTGCAAATGA

260 270 280 290 300  
ACAGCCTGAGAGCTGAGGACACGGCTGTGTATTACTGTGCGCGAACTGGT

310 320 330 340 350  
GAATATAGTGGCTACGATACGCCCCGCTCGCCGGACTGGGGGCAAGGGAC

360  
CACGGTCACCGTCTCCTCA

SEQ ID NO:10

Amino acid sequence of JT182 VH

Q V Q L V E S G G G V V Q P G R S L R L S C  
A A S G F T F S S Y G M H W V R Q A P G K E  
L E W V A V I S Y D G S I K Y Y A D S V K G  
R F T I S R D N S K N T L Y L Q M N S L R A  
E D T A V Y Y C A R T G E Y S G Y D T P A S  
P D W G Q G T T V T V S S

SEQ ID NO:11

SYGMH

SEQ ID NO:12

VISYDGSIKYYADSVKG

SEQ ID NO:13

TGEYSGYDTPQYS

SEQ ID NO:14

TGEYSGYDTSGVEL

SEQ ID NO:15

TGEYSGYDTPASPD

SEQ ID NO:16

RASQGIGDDL

SEQ ID NO:17

GTSTLQS

SEQ ID NO:18

LQDSNYPLT

SEQ ID NO:19

RSSQGIGDDL

SEQ ID NO:21

CTAAGCTTACTGAGCACACAGGACCTCACC

SEQ ID NO:21

AATTTTCGAACACTACAGTTACTGAGCACACAGGACC

SEQ ID NO:22

ATGGGCCCTTGGTGGAAGCTGAGGAGACGGTGACCGTGGTCCCTTG

SEQ ID NO:23

TTGGATATCTCTCCACAGGTGTCCACTCCGAAATTGTGCTGACTCAGTCTCCA

SEQ ID NO:24

CTACCGTACGTTTAATCTCCAGTCGTGTCCCTCCGCCGAA

SEQ ID NO:25

TTGGATATCTCTCCACAGGTGTCCACTCCGAGGTGCAGCTGGTGGAGTCTGG